

Converting Colors

$Y_{xy}(17.7512, 0.2811, 0.4022)$

Have a look what the booklet for
Yxy(17.7512, 0.2811, 0.4022)
contains.

Yxy(17.8288, 0.2808, 0.4017)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.8288, 0.2808, 0.4017)

Conversions

Conversions Part 1	
Format	Color
Hex	458161
RGB	69, 129, 97
RGB Percent	27%, 51%, 38%
CMY	0.7293, 0.4941, 0.6196
CMYK	0.46, 0.00, 0.25, 0.49
HSL	148°, 30%, 39%
HSV	148°, 46%, 51%
XYZ	12.4629, 17.8288, 14.0917
YIQ	107.4120, -25.4880, -22.6720

Conversions

Conversions Part 2

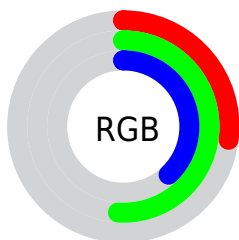
Format	Color
RYB	69, 110, 129
Decimal	4555105
CIELab	49.29, -27.40, 11.40
CIELCh	49, 29.673, 157.407
Yxy	17.8288, 0.2808, 0.4017
Android (android.graphics.Color)	4282745185 (0xFF458161)
YUV	107.4120, -5.1331, -33.6873
Hunter-Lab	42.2242, -21.2064, 9.7697

Details

The Yxy color $17.8288, 0.2808, 0.4017$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $9.8660, 0.3667, 0.2673$, and the grayscale version is $14.8447, 0.3127, 0.3290$.

A 20% lighter version of the original color is $39.6590, 0.2889, 0.3824$, and $5.9325, 0.2638, 0.4359$ is the 20% darker color. If you saturate the color by 10%, you get $17.2849, 0.2761, 0.4210$, and if you desaturate by 10%, it is $18.4879, 0.2866, 0.3835$.

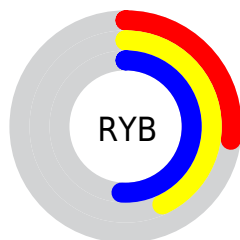
Distribution



Red (27%)

Green (51%)

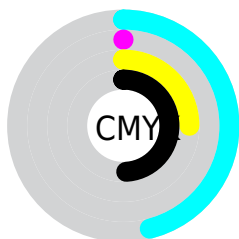
Blue (38%)



Red (27%)

Yellow (43%)

Blue (51%)

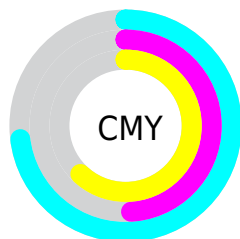


Cyan (46%)

Magenta (0%)

Yellow (25%)

Black (49%)



Cyan (73%)


Magenta (49%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8288, 0.2808, 0.4017 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 17.8288, 0.2808, 0.4017 by changing the saturation by 10% instead.


 17.8288, 0.2808,
0.4017


 17.8288, 0.2808,
0.4017


239.9043, 0.3001,
0.3579

 10.8271, 0.2743,
0.4163


 39.7454, 0.2889,
0.3834


 5.9507, 0.2646,
0.4382

 55.4291, 0.2916,
0.3773

 2.8151, 0.2485,
0.4744

 74.7756, 0.2937,
0.3725

 1.0360, 0.1851,
0.6215

 98.1694, 0.2954,
0.3685


 0.0000, 0.0000,
0.0000


 125.9947, 0.2969,
0.3652


158.6361, 0.2981,


0.3624

196.4778, 0.2992,
0.3600

 17.8288, 0.2808,
0.4017


 17.8288, 0.2808,
0.4017

 17.2849, 0.2761,
0.4210


 18.4879, 0.2866,
0.3835


 16.8470, 0.2729,
0.4410


 19.2664, 0.2932,
0.3666


 16.5081, 0.2713,
0.4612

 20.1708, 0.3003,
0.3512


 16.2591, 0.2716,
0.4811


 21.2069, 0.3078,
0.3373

 16.0840, 0.2734,
0.5002


 22.3795, 0.3154,
0.3248

 16.0286, 0.2741,
0.5067

 23.6938, 0.3229,
0.3137

 25.1543, 0.3303,
0.3039

 26.7654, 0.3374,
0.2953

 28.5313, 0.3443,
0.2877

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.8288, 0.3363, 0.4315



17.8288, 0.2808, 0.4017



17.8288, 0.2364, 0.3465

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.8288, 0.2808, 0.4017



17.8288, 0.2371, 0.2395



17.8288, 0.4238, 0.3503

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17.8288, 0.2808, 0.4017



9.8660, 0.3667, 0.2673

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.8288, 0.3926, 0.3065



17.8288, 0.2808, 0.4017



17.8288, 0.2813, 0.2456

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.8288, 0.2808, 0.4017



17.8288, 0.2135, 0.2543



17.8288, 0.3385, 0.2695



17.8288, 0.4212, 0.3933

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17.8288, 0.2808, 0.4017



17.8288, 0.2182, 0.3084



17.8288, 0.3385, 0.2695



17.8288, 0.4169, 0.3354

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17.8295, 0.2808, 0.4017



36.5032, 0.3019, 0.3481



18.9559, 0.3439, 0.4525



8.1893, 0.3006, 0.3507



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.8295, 0.2808, 0.4017



30.8822, 0.2758, 0.4226



18.4730, 0.2554, 0.3352



4.8495, 0.3058, 0.3407



15.6288, 0.2740, 0.5065



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.8660, 0.3667, 0.2673



14.7263, 0.3856, 0.2543



9.3940, 0.4253, 0.3234



4.3796, 0.3202, 0.3176



4.9683, 0.4757, 0.2394



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.8288, 0.2808, 0.4017 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.8288, 0.2808, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8288, 0.2808, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 17.8288, 0.2808, 0.4017.



This preview shows how white text looks on a background with the Yxy color 17.8288, 0.2808, 0.4017.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17.8288, 0.2808, 0.4017

Protanopia

17.5312, 0.3545, 0.3779

Deuteranopia

17.5963, 0.3571, 0.3496



Tritanopia

17.7562, 0.2543, 0.3082

Trichromacy



Original Color
17.8288, 0.2808, 0.4017

Protanomaly
17.4081, 0.3236, 0.3879

Deuteranomaly
17.1920, 0.3238, 0.3660

Tritanomaly
17.7980, 0.2636, 0.3396

Monochromacy



Original Color
17.8288, 0.2808, 0.4017

Achromatopsia
14.7027, 0.3127, 0.3290

Achromatomaly
15.5679, 0.2989, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8288, 0.2808, 0.4017 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(69, 129, 97) looks like.

```
.text, #text, p{  
    color:rgb(69, 129, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(69, 129, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 129, 97) }
```

Border

The CSS property to change the border of an element to Yxy 17.8288, 0.2808, 0.4017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 129, 97) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(69, 129, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(69, 129, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 129, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 129, 97);  
box-shadow:4px 4px 4px 4px rgb(69, 129,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8288, 0.2808, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 129, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(69, 129,  
97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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